AMPLIVOX®
PORTABLE SOUND SYSTEMS

User Guide
S230A / SW230A

MADE IN THE USA

Wired Voice Carrier PA System

Thank you for choosing the **S230A / SW230A Wired Voice Carrier PA System** from *AmpliVox Portable Sound Systems.*

We are excited in introducing this truly unique system. Our system combines flexibility with functionality. Please refer to this user guide as you enjoy the unique capabilities of another quality product from *AmpliVox Portable Sound Systems.*

We encourage you to visit our website **www.ampli.com** to register your product for its warranty coverage, sign up to receive our newsletter, download our catalog, and learn more about the complete line of *AmpliVox* audio visual products, including portable PA systems, and lecterns.

AmpliVox • 650 Anthony Trail Suite D, Northbrook, IL 60062 • Phone: (800)267-5486 • Fax: (800)267-5489 www.ampli.com

IMPORTANT SAFETY INSTRUCTIONS

Before using this product, read the instruction manual for important safety information. Please retain this manual for future reference and warranty information.

Troubleshooting & Servicing
Do not attempt to service or repair the device yourself. Refer all servicing to qualified service personnel. Do not attempt to modify the device in anyway. Doing so could invalidate your warranty.

Cleaning
When cleaning the device, please use a soft, dry cloth. Never use benzene, paint-thinner, or other chemicals on the device.

Location
Place the device in stable location, so it will not fall causing damage to the device or bodily harm.

Intended use
The product may only be used with the original parts intended for it. The intended use includes adherence to the specified installation instructions. The manufacturer accepts no liability for damage arising due to improper use.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in this owner's guide.

IMPORTANT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
The unit's circuitry may cause interference to nearby radios. To prevent interference, either switch the unit off or move away from the affected radio.

NOTE: This equipment complies within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio / TV technician for help.
NOTE: Shielded cables may be required to be used with this unit to en-sure compliance with the Class B FCC limits.

PACKAGE CONTENTS

Model S230A

- One SW805A Amplifier
- Two S1201 Speakers (Dual 6” x 8” speaker each cabinet)
- Three S1090 Compact Tripods
- Two 40 Ft Speaker Cables
- Microphone Mounting Bracket
- Gooseneck with Microphone Clip
- Dynamic Handheld Microphone with 15 ft. cord.
- One S1960 Nylon Rolling Case

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- One S1960 Nylon Rolling Case
- Wireless 16 CH UHF Microphone Transmitter (S1690T)
- Lapel and Headset Microphone

SPECIFICATIONS

Amplifier System

- Power Output - 50 Watt RMS into 4 ohms
- AC/DC Operation
- Stereo Speaker Output
- 3.5mm Line Output
- 3.5mm Line Input
- Separate Volume and Tone Control for Line Input
- Master Volume Control

Wireless System

SW805A

- Built-in UHF Selectable 16 Channel Receiver with RF Signal LED
- Wireless Range: 300 feet
- Frequency: 584 -608 MHz

INSTALL BATTERIES

Battery Power

1. The amp uses 10 " D " size Alkaline batteries (not included); or the optional rechargeable AmpliVox NiCad Battery Pack (S-1465) and (S1460) AC adapter -purchase separately (Fig 3).

2. The removable battery door on the back of the amp is designed to stay closed until you need to change the batteries. Slip a finger nail under it and slide it out. (Fig 1)

3. Lift the battery holder out. The plastic dividers between the batteries help prevent battery corrosion. (Fig 2)

4. Install 10 fresh Alkaline " D" size batteries. Be sure to observe the polarity when putting batteries in the battery compartment. The negative (flat) ends go against the springs. (Fig 2) Carefully replace battery holder. Batteries should look like they are standing up.

DO NOT MIX BATTERY TYPES OR ATTEMPT TO RECHARGE ALKALINE BATTERIES. EQUIPMENT DAMAGE, SAFETY HAZARD OR FIRE COULD RESULT.

Note: The battery holder cable comes from the factory already plugged into the connector. If it comes loose, push it in securely. (Turn the plug over if it doesn't fit; it only fits one way.)

5. Slide door back into place.

6. If using the S-1465 NiCad Battery pack (Fig 3), Plug AC Adapter/ Recharger power supply (S1460) into the **"DC IN"** jack on front panel of the amp. Plug into a working electrical outlet. Charge 24 hours for full charge before using.

Fig 1

Fig 2

Fig 3

S-1465

S-1460

Wireless Transmitter Model SW230A

The wireless headphone transmitter bodypack is operated by 1 - "AA" alkaline battery. Before use, install battery as shown (Fig. 4). Make certain the battery is fully seated in its compartment so the cover slides in place easily. Battery life with alkaline batteries is approximately 8 hours of operating time. When LED on top panel turns to **RED** the battery should be replaced immediately.

Fig 4

AMPLIFIER FEATURES

3. Mic Volume-controls all 3 microphone inputs

4. Dynamic Mic Jack— 1/4 " for wired, hand-held microphone

5. Auxiliary Volume— controls the auxiliary input separately from the microphone volume

6. Tone Control— for auxiliary input; counter-clockwise for more bass; clock-wise for more treble

2. Power Indicator Light

1. Power Switch

14. Wireless ON/OFF Switch

15. Channel Selector

7. Left & Right Speaker Jacks— 1/4 " (4—8 ohm input)

8. Line Out—3.5mm record your presentation with a tape recorder or a computer sound card

13. DC In Jack — plug in optional Universal AC Adapter/ Charger for power.

12. Aux Out - for optional 12-15 volt accessory.

11. Condenser Mic Jack - 3.5mm for lapel or headset microphone

10. Wireless Mic Jack -3.5mm for optional wireless receiver

9. Auxiliary Line In— 3.5mm add music with a tape player, CD or MP3 player

Wireless Receiver Features Model SW230A

15. Wireless 16 Channel Selector (left side of case)—rotate knob to select wire-less channel on the built-in receiver. RF LED will light up when receiving signal from transmitter.

16. Wireless 16 Channel UHF Bodypack Microphone Transmitter

Channel selected must match

1. Power Switch.

2. Power Indicator Light. Turns red when power is turned on.

3. Mic Volume Control. This knob controls output loudness to all 3 microphone inputs and Siren.

4. Dynamic Mic Jack. Dynamic is one kind of microphone. AmpliVox's wired, hand-held microphone is this type.

5. Auxiliary Volume Control. This volume knob controls the auxiliary volume separately from the microphone volume.

6. Tone Control. This knob controls the tone of the auxiliary input. Turn counter-clockwise for more bass or clockwise for more treble. (The mic jacks don't need a tone control because they have been pre-optimized for the human voice.

7. Left & Right Speaker Jacks. Two separately amplified speaker jacks allow you to use one or two speakers for additional sound power or true stereo output.

8. Line Out Jack. Can be used with a tape recorder The Line Out Jack outputs all the sound from the 3 microphone inputs and the auxiliary input.

9. Auxiliary Line In Jack. To play music, just plug in your CD player, MP3 player or Amplivox's Bluetooth Receiver.

10. Wireless Mic Jack. Optional *second* wireless receiver goes here. Then plug AmpliVox's lapel or headset microphone into the transmitter. Now you are hands-free anywhere within a 300- foot radius of the receiver.

11. Condenser Mic Jack—with phantom power. If you don't know what phantom power is, then you don't need to know, but a condenser microphone won't work without it. If you have AmpliVox's lapel or headset microphone, plug it in here.

12. Aux Out. For optional 12-15 volt accessory.

13. DC In Jack. Used for the optional International AC Adapter / Charger (S1460), plug it in here. Plug the other end into a wall / floor outlet.

14. Wireless ON/OFF Switch Switches power on to the built-in 16 channel wireless receiver.

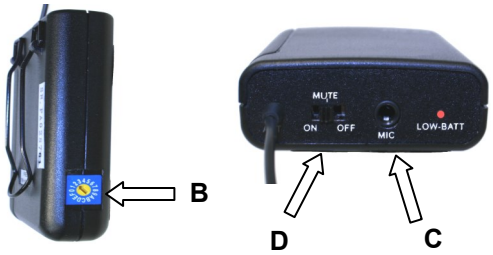
15. Wireless 16 Channel Selector Channel that you select here must match with the channel that is selected on the bodypack microphone transmitter.

16. Wireless 16 Channel UHF Bodypack Microphone Transmitter. Connect Lapel or Headset microphone to **MIC** jack on top panel.

SPEAKER SET-UP

Model SW230A
S1690T Microphone
Transmitter

Channel Selector **Top Panel**



Speaker Connection (as shown above)

Do for both set of speakers. Take a 40 Ft. speaker cable and plug one end into the S1401 Speaker and the other end into the **"LEFT / Right"** speaker jack on front panel.

Dynamic Microphone (as shown above)

Plug 1/4" plug end of microphone cable into the **"DYNAMIC"** jack on front panel of amplifier.

To Operate Model S230A with Dynamic Microphone

Make sure that both speakers are plugged into the **"LEFT / RIGHT SPEAKER"** jacks . Plug microphone into the **"DYNAMIC"** jack. Turn amplifier on. Turn microphone on and talk into microphone. Rotate **"VOLUME"** control knob to obtain desired loudness level.

SW230A WIRELESS MICROPHONE SET-UP

INTERNAL WIRLESS MICROPHONE RECEIVER (ON SIDE OF AMPLIFIER):

Select channel (1-16) on panel **(A).** Channel number must match channel number on wireless microphone transmitter (S1690T). Use supplied screwdriver to select channel number.

WIRELESS MICROPHONE TRANSMITTER (S1690T) :

Belt clip on the back of the unit clips the transmitter onto a belt or the transmitter simply can be put into a pocket. Plug the lapel / head-set microphone into the **Mic Input Jack** (**C**). The lapel microphone can be clipped to a necktie or other clothing, using the supplied clip. The lapel mic should be placed under the chin, as close to the center of the body as possible.

Rotate the **Channel Selector Switch** (**B**) on the wireless microphone transmitter to the same channel selected on receiver (**A**). Slide the power **ON/OFF** switch (**D**) to the **ON** position (the LED indicator light will illuminate green). If you are on the same channel number as the wireless receiver, the LED light on the side panel (**A**) of the amplifier will light when amplifier is turned "**ON**".

To Operate Model SW230A with Wireless Microphone

Insure that both speakers are plugged into the **"LEFT / RIGHT SPEAKER"** jacks . Turn amplifier "**ON**". The wireless receiver has a separate "**ON-OFF"** switch and is located just below main power switch of amplifier. Slide to **"ON"** position. Insure both transmitter and receiver are on the same frequency channel. On the S1690T wireless transmitter, move the power switch to **"ON"**. **RF LED** on side of amplifier will light, meaning that it is receiving signal. If **RF LED** does not light, check channel numbers. Speak into Lapel / Headset microphone and rotate **"VOLUME"** control knob to obtain desired loudness level.

PROBLEM SOLVING

HOWLBACK is the howl or screech often heard in sound reinforcement systems. It is caused by sound from the loudspeaker returning to the microphone. AmpliVox systems utilize proven acoustical principles to minimize this; however, there is no way to completely eliminate howl back under conditions of high amplification. If howl back occurs, check the following:

User's hand covering the head of the microphone. [Hold microphone under head slots.] Sound can easily re-enter microphone.

Keep loudspeaker turned toward audience. Note: sound can be reflected from a hard surface back through the microphone. [Turn speaker.]

User holding microphone in a reflecting position. [Turn microphone.]

Volume setting too high. [Reduce microphone channel volume; compensate by speaking louder or closer to the microphone.]

NO SOUND

Make sure amplifier **POWER** switch is turned on and red LED is lit. If switch is on and LED is not lit, check to see that batteries are properly connected and at full charge. If using optional power adapter, check to see that front panel connector is properly seated, and verify that the power source is live.

WARRANTY

Limited Six (6) -Year Warranty

AmpliVox warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below) for a period of six (6) years from the date of purchase ("Warranty Period").

During the Warranty Period, AmpliVox will repair or replace (at AmpliVox's discretion) this product or any defective parts ("Warranty Service").

Repair or replacement under the terms of this warranty does not give right to any extension or a new beginning of the period of warranty.

CLAIMS UNDER THE WARRANTY

To obtain Warranty Service, **contact AmpliVox (800-267-5486)** to be assigned a **Return Authorization number (RA#).** After receiving a RA#, the defective unit is to be returned to AmpliVox in either its original packaging or packaging affording an equal degree of protection. You will bear the cost of shipping the product to AmpliVox. If the product is covered by the warranty, AmpliVox will bear the cost of shipping product back to you after the completion of service under this warranty.

Return shipping will be charged to you for products not covered by the warranty or requiring no warranty repair.

The following information must be presented to obtain Warranty Service: **(a)** the RA# must be clearly and legibility marked on the outside of shipping carton, **(b)** proof of purchase, which clearly indicates the name and address of the seller, the date of purchase and the product type, which is evidence that this product is within the Warranty Period. Please further include **(c)** your return address, **(d)** daytime telephone number, and **(e)** reason for return.

LIMITATION OF WARRANTY

This warranty is only valid for the original purchaser and will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party. The warranty provided by AmpliVox in this statement applies only to products purchased for use, and not for resale. It does not apply to open box purchases, which are sold "as is" and without any warranty. Specifically exempt from warranty are limited-life consumable components subject to normal wear and tear, such as microphone windscreens, ear cushions, modular plugs, ear tips, decorative finishes, batteries, and other accessories. This warranty is invalid if the factory-applied serial number, date code label, or product label has been altered or removed from this product. This Warranty does not cover cosmetic damage or damage due to misuse, abuse, negligence, Acts of Nature, accident, disassembling or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than AmpliVox. Any unauthorized repairs will void this warranty.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. AMPLIVOX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHAT SOEVER, INCLUDING BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

NOTE! This warranty gives you specific legal rights. You may have other rights which vary from location to location. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or implied warranties, so the above exclusions may not apply to you. This warranty does not affect your legal (statutory) rights under your applicable national or local laws.

Dispose of the product according to local standards and regulations

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